

APPENDIX E - REGION IV OPERATING TEST JOB PERFORMANCE MEASURE QUALITY REVIEW MATRIX											
JPM#	1. Dyn (D/S)	2. LOD (1-5)	3. Attributes					4. Job Content Errors		5. U/E/S	6. Explanation (See below for instructions)
			IC Focus	Cues	Critical Steps	Scope (N/B)	Over-lap	Job-Link	Minutia		
B1.a	D	3								S	
B1.b	S	2								S	
B1.c	S	2								S	
B1.d	S	3								S	
B1.e	S	3								S	
B1.f	S	2								S	
B1.g	S	2								S	
B2.a	S	3								S	
B2.b	D	2								S	
B2.c	S	4								S	

Instructions for Completing Matrix (Complete for either all items or all items requiring comment):

- Determine whether the task is dynamic (D) or static (S). A dynamic task is one that involves continuous monitoring and response to varying parameters. A static task is basically an system reconfiguration or realignment.
- Determine level of difficulty (LOD) using established 1-5 rating scale. Levels 1 and 5 represent inappropriate (low or high) discriminatory level for the license being tested.
- Check the appropriate box when an attribute weakness is identified:
  - The initiating cue is not sufficiently clear to ensure the operator understands the task and how to begin.
  - The JPM does not contain sufficient cues that are objective (not leading).
  - All critical steps (elements) have not been properly identified.
  - Scope of the task is either too narrow (N) or too broad (B).
  - Excessive overlap with other part of operating test or written examination.
- Check the appropriate box when a job content error is identified:
  - Topics not linked to job content (e.g., disguised task, not required in real job).
  - Task is trivial and without safety significance.
- Based on the reviewer's judgment, is the JPM as written (U)nacceptable (requiring repair or replacement), in need of (E)ditorial enhancement, or (S)atisfactory?
- Provide a brief description of problem in the explanation column.

**APPENDIX F - REGION IV OPERATING TEST QUESTION QUALITY REVIEW MATRIX**

Q#	1. LOK (F/H)	2. LOD (1-5)	3. Psychometric Errors					4. Job Content Errors				5. U/E/S	6. Explanation (See below for instructions)
			Stem Focus	Direct L/U	One Ans	Min Resp	Scope (TS?)	Job-Link	Minu-tia	SRO Only	Back-wards		
RA.3.1	F	1		✓								U	
RA.3.2	H	3										S	
SA.3.1	F	1		✓								U	
	F	1		✓								U	

Instructions for Completing Matrix (Complete for either all items or all items requiring comment):

- Classify level of knowledge (LOK) as either (F)undamental or (H)igher cognitive level.
- Determine level of difficulty (LOD) using established 1-5 rating scale. Levels 1 and 5 represent inappropriate (low or high) discriminatory level for the license being tested.
- Check the appropriate box when a psychometric error is identified:
  - Stem lacks sufficient focus to solicit only the answers listed (e.g., unclear on intent, answer needed, or unnecessarily negatively phrased)
  - Direct lookup (e.g., desired answer contained in obvious reference),
  - Question does NOT solicit single demonstrably correct answer,
  - Minimum response for passing credit NOT described in key,
  - Scope of question outside guidance of NUREG (e.g., why not how, TS bases not system, emergency not emergency plan),
- Check the appropriate box when a job content error is identified:
  - Topics not linked to job content (e.g., disguised task, not required in real job, invalid K/A).
  - Recall of too specific knowledge,
  - RO test items test at the SRO job level or vice versa,
  - Reverse logic or application compared to job.
- Based on the reviewer's judgment, is the question as written (U)nacceptable (requiring repair or replacement), in need of (E)ditorial enhancement, or (S)atisfactory?
- Provide a brief description of problem in the explanation column.







Q#	1. LOK (F/H)	2. LOD (1-5)	3. Psychometric Flaws					4. Job Content Flaws				5. U/E/S	6. Explanation
			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia	#/units	Backward		
76	H	3										S	
77	H	2				✓						U	B/C/D credible?
78	H	2										S	
79*	H	2										S	
80	H	2										S	
81	H	2										S	
82*	H	2										S	
83	F	2										S	
84	H	2										E	TS reference required? Direct look up?
85	F	2										S	
86*	F	2										S	
87*	F	2										S	
88	F	2										E	TS reference required? Direct look up?
89	H	3										S	
90*	F	2										S	
91	H	2				✓						E	B credible?
92	F	2										S	
93	H	2										E	B spelling?
94	F	2										S	
95*	F	2										S	
96	F	2										S	
97*	H	2										E	TS reference required? Direct look up?
98*	H	2										S	
99	H	2				✓						E	A credible?
100	H	2										S	
S12*	H	2				✓						S	C/D credible?

Q#	1. LOK (F/H)	2. LOD (1-5)	3. Psychometric Flaws					4. Job Content Flaws				5. U/E/S	6. Explanation
			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia	#/units	Backward		
S16	H	2		✓								E	b only distractor with fire brigade in it
S21*	H	2										S	direct look up if TS supplied
S23	H	2			✓							E	try not to use T/F "NOT" stem
S26	H	2										S	I AW procedure ...
S27*	F	3										S	I AW procedure ...
S45	H	2										S	
S47	H	2						✓				S	from recall?
S61*	F	2										S	
S84	H	2				✓						S	C/D credible?
S85	F	2						✓				S	from recall?
S86	H	2		✓								S	A/C credible?
S87*	H	2										S	
S88	H	2										S	
S89*	H	2										S	
S90	H	2										S	
S91*	H	3										S	
S92	H	3										S	
S93	F	2										S	
S94	H	2										S	
S95	F	2										S	
S96	H	2		✓		✓						E	A only ESF equipment, B/C/D credible?
S97	H	2										S	
S98	F	2										S	
S99	H	2										S	

\* K/A sample